

Converting Colors

XYZ(32.8744, 19.8326, 47.7195)

Have a look what the booklet for
XYZ(32.8744, 19.8326, 47.7195)
contains.

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Color

**XYZ(32.8967, 19.8869,
48.0036)**

Conversions

Conversions Part 1

Format	Color
Hex	BF4DB9
RGB	191, 77, 185
RGB Percent	75%, 30%, 73%
CMY	0.2510, 0.6980, 0.2745
CMYK	0.00, 0.60, 0.03, 0.25
HSL	303°, 47%, 53%
HSV	303°, 60%, 75%
XYZ	32.8967, 19.8869, 48.0036
YIQ	123.3980, 33.2760, 57.7560

Conversions

Conversions Part 2

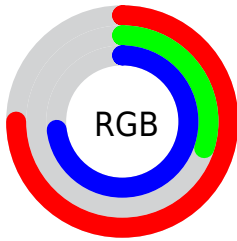
Format	Color
R_{YB}	191, 77, 185
Decimal	12537273
CIE _{Lab}	51.71, 59.21, -35.48
CIE _{LCh}	52, 69.022, 329.068
Yxy	19.8869, 0.3264, 0.1973
Android (android.graphics.Color)	4290727353 (0xFFBF4DB9)
YUV	123.3980, 30.3698, 59.2870
Hunter-Lab	44.5947, 53.6353, -32.6059

Details

The XYZ color **32.8967, 19.8869, 48.0036** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.2536, 39.4648, 14.5767**, and the grayscale version is **18.8540, 19.8359, 21.6013**.

A 20% lighter version of the original color is **63.5528, 43.1774, 88.2036**, and **14.0259, 6.9024, 22.0658** is the 20% darker color. If you saturate the color by 10%, you get **31.6456, 17.5536, 47.0649**, and if you desaturate by 10%, it is **34.5422, 23.0069, 49.0778**.

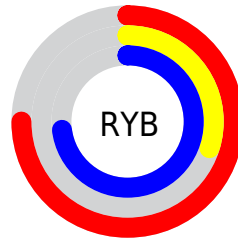
Distribution



Red (75%)

Green (30%)

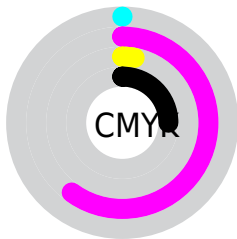
Blue (73%)



Red (75%)

Yellow (30%)

Blue (73%)

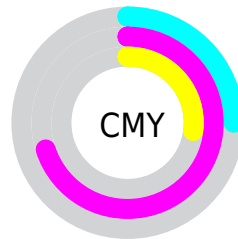


Cyan (0%)

Magenta (60%)

Yellow (3%)

Black (25%)



Cyan (25%)


Magenta (70%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8967, 19.8869, 48.0036 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.8967, 19.8869, 48.0036 by changing the saturation by 10% instead.


 32.8967, 19.8869,
48.0036


 32.8967, 19.8869,
48.0036


306.8572,
251.3022, 395.3155


 22.2062, 12.3129,
33.4697


 63.5700, 43.2275,
88.5754


 14.1259, 6.9571,
22.2125


 84.2834, 59.7628,
115.4503


 8.2906, 3.4353,
13.8133


 109.0686, 80.0540,
147.2761

 4.3348, 1.3630,
7.8537

 138.2908,
104.4855, 184.4712

 1.8932, 0.1892,
3.9150

 172.3154,
133.4417, 227.4541

 0.5729, 0.0000,
1.5788

211.5078,

 0.0000, 0.0000,

167.3069, 276.6435

0.2757

256.2333,
206.4656, 332.4578

■ 0.0000, 0.0000,
0.0000

■ 32.8967, 19.8869,
48.0036

■ 32.8967, 19.8869,
48.0036

■ 31.6456, 17.5536,
47.0649

■ 34.5422, 23.0069,
49.0778

■ 30.7514, 15.9332,
46.2487

■ 36.6112, 26.9733,
50.2968

■ 30.1730, 14.9432,
45.5414

■ 39.1325, 31.8429,
51.6702

■ 29.8310, 14.4250,
44.9166

■ 42.1316, 37.6671,
53.2066

■ 29.8212, 14.4105,
44.8972

■ 45.6324, 44.4934,
54.9140

■ 49.6570, 52.3660,
56.7997

■ 54.2262, 61.3266,
58.8707

■ 59.3596, 71.4146,
61.1336

■ 65.0761, 82.6673,
63.5945

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.1947, 19.8869, 75.5596



32.8967, 19.8869, 48.0036



35.7316, 19.8869, 22.2844

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.8967, 19.8869, 48.0036



19.1210, 19.8869, 1.4797



9.4363, 19.8869, 46.1867

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.8967, 19.8869, 48.0036



23.2536, 39.4648, 14.5767

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.4138, 19.8869, 21.0345



32.8967, 19.8869, 48.0036



13.1064, 19.8869, 2.4433

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.8967, 19.8869, 48.0036



26.6673, 19.8869, 2.5922



9.5743, 19.8869, 7.3033



12.8125, 19.8869, 74.1310

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.8967, 19.8869, 48.0036



34.6211, 19.8869, 11.3738



9.5743, 19.8869, 7.3033



8.8490, 19.8869, 36.7801

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.8974, 19.8878, 48.0040



76.2788, 69.0610, 95.7010



15.5997, 10.8957, 50.5718



16.3743, 14.4337, 20.8274



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.8974, 19.8878, 48.0040



56.0543, 30.2975, 83.7633



28.0567, 17.9515, 22.5132



9.9077, 9.6874, 11.9029



19.6073, 9.4741, 29.5556



0.7747, 0.3738, 1.1930

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.8974, 19.8878, 48.0040



56.0543, 30.2975, 83.7633



26.4038, 40.7248, 31.1653



9.9077, 9.6874, 11.9029



19.6073, 9.4741, 29.5556



0.7747, 0.3738, 1.1930

Previews

White Background



This preview shows how the XYZ color 32.8967, 19.8869, 48.0036 looks on a white background.

Color Contrast Check

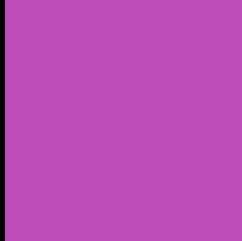
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.8967, 19.8869, 48.0036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

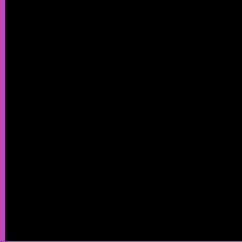
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8967, 19.8869, 48.0036

Background



This preview shows how black text looks on a background with the XYZ color 32.8967, 19.8869, 48.0036.



This preview shows how white text looks on a background with the XYZ color 32.8967, 19.8869,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.8967, 19.8869, 48.0036

Protanopia

22.8598, 20.2165, 72.5094

Deuteranopia

20.6123, 20.2238, 44.4122



Tritanopia

26.3548, 19.9094, 16.0895

Trichromacy



Original Color

32.8967, 19.8869, 48.0036



Protanomaly

23.7951, 18.2860, 62.5970



Deuteranomaly

23.3839, 18.7543, 45.5675



Tritanomaly

28.1218, 19.5457, 25.2122

Monochromacy



Original Color

32.8967, 19.8869, 48.0036



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

22.5551, 18.6793, 29.6108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8967, 19.8869, 48.0036 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(191, 77, 185)` looks like.

```
.text, #text, p{  
    color:rgb(191, 77, 185)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(191, 77, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 77, 185) }
```

Border

The CSS property to change the border of an element to XYZ 32.8967, 19.8869, 48.0036 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 77, 185) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(191, 77, 185) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(191, 77, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 77, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 77, 185);  
box-shadow:4px 4px 4px 4px rgb(191, 77,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8967, 19.8869, 48.0036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 77, 185) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(191, 77,  
185) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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